

[54] **NUCLEOTIDE ENRICHED HUMANIZED MILK AND PROCESS FOR ITS PREPARATION**

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[57] **ABSTRACT**

A nucleotide enriched humanized milk for infant nourishment, which is manufactured as a sterilized fluid or an instant powdered milk, both of which contain nucleotides AMP, CMP, GMP, IMP and UMP at concentrations similar to those found in human milk. The remaining components of this humanized milk comply with the standards of EPSGAN and AAP. The concentrations of nucleotides referred to in powdered milk are: 1.12 mg/100 g of CMP; 1.32 mg/100 g of AMP; 1.49 mg/100 g of GMP; 3.42 mg/100 g of UMP and 0.45 mg/100 g of IMP. The nucleotidic composition of fluid milk is: 0.15 mg/100 ml of CMP; 0.17 mg/100 ml of AMP; 0.19 mg/100 ml of GMP; 0.44 mg/100 ml of UMP and 0.06 mg/100 ml of IMP. The raw materials used in the manufacture of this humanized milk, cow's milk, demineralized whey, lactose, vitamins and minerals, are mixed and pasteurized. The nucleotides are added afterwards and the new mix is UHT-sterilized or spray-dried.

**7 Claims, 4 Drawing Figures**